

Quiz (1)

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Time duration: 7 minutes

Q1] Subtract:

5 marks

$$\begin{array}{r} 11110100 \\ - 1000111 \\ \hline 10101101 \end{array}$$

- the student will get 5/5 if he/she understands the operation with borrow & implement it.
- If the student understood the subtraction but mistaken she/he will get -1 for each mistake.
- if the student is not doing the subtraction but get the answer by converting to decimal 2.5.

Q2] Convert $(56)_{10}$ to binary. How many digits you require to represent the number?

5 marks

$$\begin{array}{r} 32 \quad 16 \quad 8 \quad 4 \quad 2 \quad 1 \\ 1 \quad 1 \quad 1 \quad 0 \quad 0 \quad 0 \end{array}$$

it requires 6-bits

- Using the weight method or division correctly 4/4
- any small mistake in 1 bit -1
- to get the number of bits correct 1 mark. 4/1